

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/20114

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C02F 1/72

US CL : 210/759, 763, 747, 908; 405/128.75

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 210/759, 763, 747, 908, 909; 405/128.5, 128.75, 129.25, 263; 423/585; 588/205

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,741,427 A (WATTS et al) 21 April 1998 (21.04.1998), abstract, col. 3, lines 30-45, col. 4, lines 12-51, claims 1, 3	1, 2, 3, 9-12 ----- 13-17
X, P --- Y, P	US 6,576,144 B1 (VINEYARD) 10 June 2003 (10.06.2003), col. 2, lines 16-28, col. 4, lines 55-62, col. 5, lines 28-46	1-3, 9, 10, 12 ----- 11, 13-17
X --- Y	US 5,700,107 A (NEWTON) 23 December 1997 (21.12.1997), abstract, col. 1, lines 52-67, col. 2, lines 24-49, col. 4, lines 1-16	1-5, 9 ----- 6-8, 10-17
Y	US 6,019,548 A (HOAG et al) 01 February 2000 (01.02.2000), abstract	16, 17
A	US 6,160,194 A (PIGNATELLO) 12 December 2000 (12.12.2000)	1-17
A	US 5,877,389 A (SOROKIN et al) 02 March 1999 (02.03.1999)	1-17

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

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Date of the actual completion of the international search

04 November 2003 (04.11.2003)

Date of mailing of the international search report

10 DEC 2003

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